USB*w* 200
Series

User Guide

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System Requirements

Following are the minimum system requirements for support of the USBw 200-series USB WiMAX Adaptor

	Windows XP	Windows Vista	Windows 7
OS Level	SP2 (SP3 recommended)	All	All
Processor Speed	500 MHz	1.0 GHz	1.0 GHz
Disk Space	40 MB	40 MB	40 MB
RAM requirement	512 MB	1.0 GB	1.0 GB

Products Covered by this Guide

USBw25200 - 2500-2700 MHz band
USBw35200 - 3400-3600 MHz band

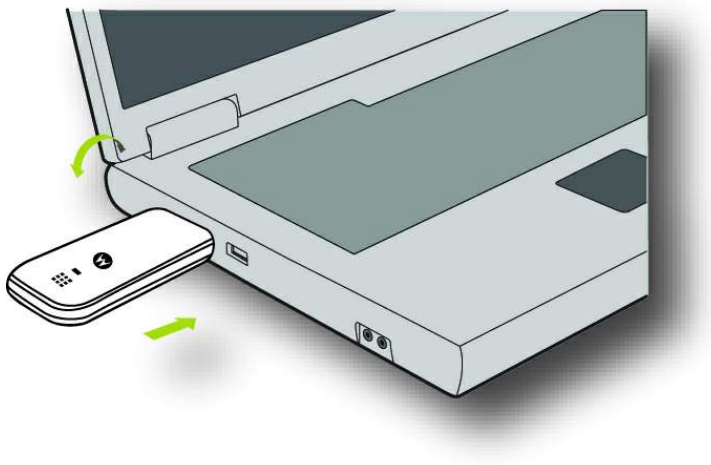
Installation

The USBw 200 is a fully Plug & Play USB device, with all operating software pre-loaded on the USB device itself; no CD-ROM is required. When first plugged in, it installs all the necessary software on your computer to provide high-speed Internet service using the latest WiMAX technology. You may install the software on more than one computer, activating the WiMAX service on the computer of your choice by plugging in the USBw 200.

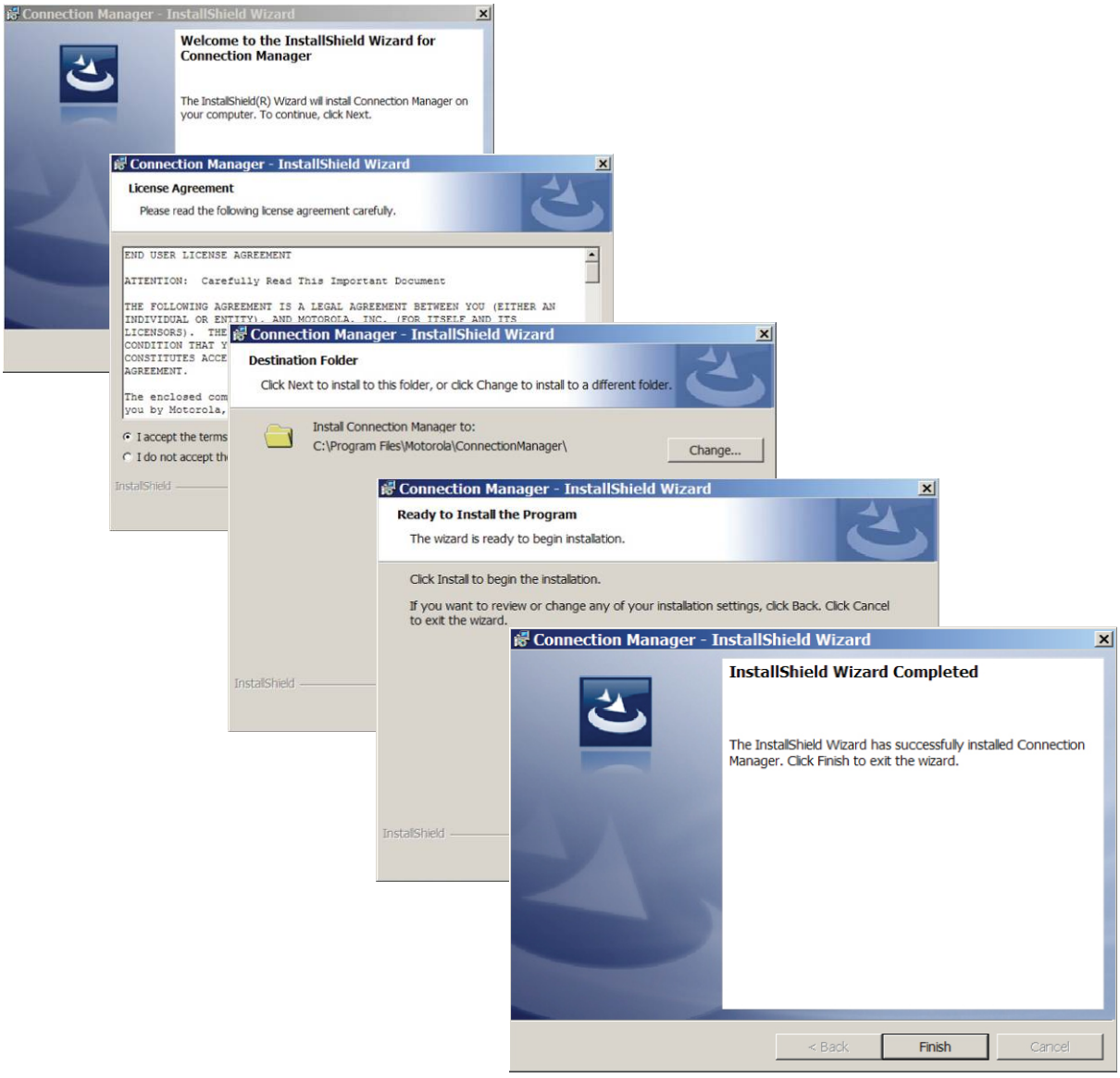
Insert the USBw 200 into your laptop computer's USB port.

Windows XP: If setup does not automatically start: click "Start" and choose "Run". Type "X:\InstVerif.exe" (where X is the USB drive designation) and click "OK".

Windows Vista and 7: If setup does not automatically start: click "Start" and choose "Computer", right click on "USB drive" or "CD drive" and choose "Open Auto Play". Select "InstVerif.exe"



Follow the Software installation steps on your screen


Connection Manager - InstallShield Wizard
Welcome to the InstallShield Wizard for Connection Manager
The InstallShield(R) Wizard will install Connection Manager on your computer. To continue, click Next.
Connection Manager - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
END USER LICENSE AGREEMENT
ATTENTION: Carefully Read This Important Document
I accept the terms
I do not accept th
InstallShield
Connection Manager - InstallShield Wizard
Destination Folder
Click Next to install to this folder, or click Change to install to a different folder.
Install Connection Manager to:
C:\Program Files\Motorola\ConnectionManager\
Change...
InstallShield
Connection Manager - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
Connection Manager - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed Connection Manager. Click Finish to exit the wizard.
< Back
Finish
Cancel

The USBw 200 will automatically turn on and search for WiMAX connections. If WiMAX service is available, it will automatically connect your computer to the Internet through a WiMAX link. Depending on the configuration offered by your Internet Service Provider, the USBw 200 may also manage the Ethernet and WiFi connections to your computer.

Setting Up WiFi Connections

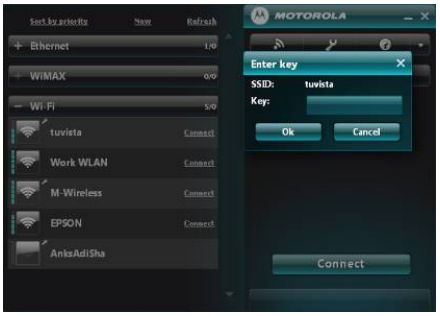
Note: If the configuration offered by your Internet Service Provider does not include coverage of WiFi connections, this section can be skipped.

For correct operation of the Motorola Connection Manager with your WiFi connections, please disable any other WiFi connection managers on your computer.

If the Connection Manager is not already running, please open it by clicking the desktop or Systray icon

Click the arrow at the left of the **All Connections** button to display available Ethernet, WiMAX and WiFi Connections. Click the + sign on the WiFi bar that appears on the left screen extension to display all available WiFi services.

Select the desired WiFi service. If this service has previously been configured in your computer, the necessary settings will automatically be imported into the Connection Manager.



If the selected service requires security information, an input screen will appear.

If needed, advanced security settings can be accessed by right-clicking on the name of the selected WiFi Service, and selecting Settings.

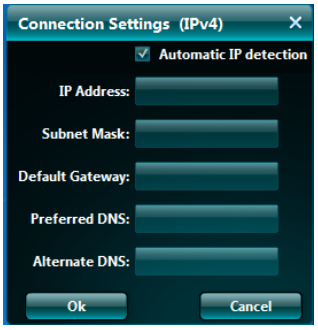
The selected WiFi connection will be enabled.

Setting Up Ethernet Connections

Note: If the configuration offered by your Internet Service Provider does not include coverage of Ethernet connections, this section may be skipped

If the Connection Manager is not already running, please open it by clicking the desktop or Systray icon

Click the arrow at the left of the **All Connections** button to display available Ethernet, WiMAX and WiFi Connections. Click the + sign on the Ethernet bar that appears on the left screen extension to display all available Ethernet services. Select the desired Ethernet service.



If configuring a new Ethernet connection, right-click on the name of the Ethernet service, and select Settings. Enter the necessary information and click OK.

Connecting to WiMAX for the first time

WiMAX technology provides a number of effective protections against unauthorized use of the service. Depending on the particular options your Service Provider has chosen, you may encounter a signup screen that asks for a **Username** and **Password**. If required, this information will have been provided to you when you purchased the USBw 200.

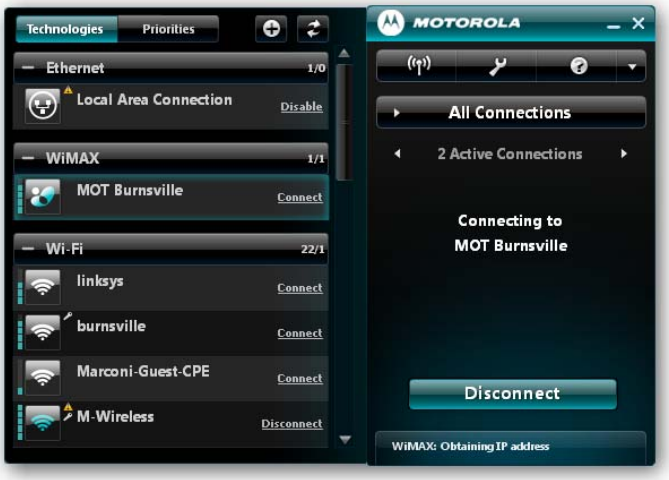
Enter the Username and Password in the spaces shown. Checking the "**Store Credentials**" box will save your User name and password; otherwise you will be prompted for this information every time you log in.

Connecting to the WiMAX Network

All the necessary settings to connect to your Internet Service provider's WiMAX network have been pre-programmed into the USBw 200 and cannot be modified by the user.

With the Connection Manager operating, plug in the USBw 200. The Connection manager will scan for available WiMAX channels. When a suitable channel is found, the Connection Manager will detect it, and add it to the available connections list automatically. In this example, the Connection Manager has been using a WiFi service named **M-Wireless**, and has detected the WiMAX service **MOT Burnsville**

To select the WiMAX connection, click on the **Connect** button. The Connection Manager will go through a secure authentication process, and connect to the WiMAX service.



Here both the WiFi and WiMAX connections are available to the user. It is possible to switch between these two services by clicking the arrow on the **Active Connections** bar.

The Main Screen

When the Connection Manager is started, it presents the main screen, which provides an overview of all data connections being managed by the Connection Manager. The extension on the left can be minimized or restored by clicking the triangle on the **All Connections** bar.

The left extension screen provides two tabs. The **Technologies** tab shows all available connections for WiMAX, WiFi (if supported in your version of the Connection Manager) and Ethernet (if supported in your version of the Connection Manager). Individual connections lists can be minimized by clicking the "**-**" sign on the connection title bars.

The **Priorities** tab allows the user to select the order in which the Connection manager will connect to available services.

Note: The Ethernet connection (If supported in your version of the Connection Manager) is not listed in the Priorities list. The wired Ethernet connection is assumed to always be the highest priority.

Controls and Settings

Radio Control

This button toggles the radio that works with the service currently selected on and off.

Options

This button opens up the **Options** screen. This enables the user to choose the language used in the Connection Manager and select alternate skins for the Graphical User Interface. It also allows selection of the connection settings of the Connection Manager program when starting up the computer.

This screen is also accessible by right-clicking the Systray icon.

HELP Screens

This button opens up an online HELP utility, providing additional information about navigating through the Connection Manager screens.

WiMAX information

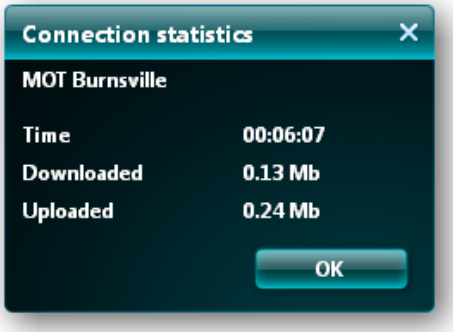
Right-clicking the WiMAX service in the main screen extension allows viewing of WiMAX system information.

WiMAX Connection Settings

This duplicates the original signup page, allowing the user to make any needed changes in **Username** and **Password** settings.

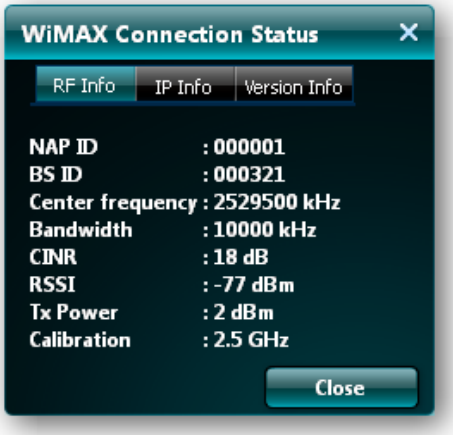
WiMAX Connection Statistics

This screen provides information on the current WiMAX connection session.



WiMAX Connection Status

This screen provides information on the WiMAX network connection radio performance, the Internet protocol settings in effect and version information for the USBw 200 hardware and software.

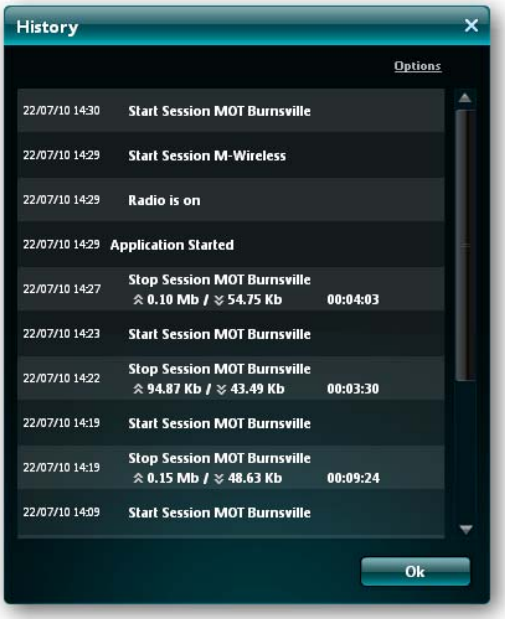


More information

Clicking the indicated triangle gives access to additional screens of information about the Connection Manager.

History

This screen shows a log of connection and disconnection events since the Connection Manager program was last started.


History
Options
22/07/10 14:30 Start Session MOT Burnsville
22/07/10 14:29 Start Session M-Wireless
22/07/10 14:29 Radio is on
22/07/10 14:29 Application Started
22/07/10 14:27 Stop Session MOT Burnsville
0.10 Mb / 54.75 Kb 00:04:03
22/07/10 14:23 Start Session MOT Burnsville
22/07/10 14:22 Stop Session MOT Burnsville
94.87 Kb / 43.49 Kb 00:03:30
22/07/10 14:19 Start Session MOT Burnsville
22/07/10 14:19 Stop Session MOT Burnsville
0.15 Mb / 48.63 Kb 00:09:24
22/07/10 14:09 Start Session MOT Burnsville
Ok

About Connection Manager

This screen provides release information for the Connection Manager software.

The link shown as "**Visit our site**" in this illustration is used to connect to your Internet Service Provider's website to download updated versions of the Connection Manager SW as they become available. This screen is also available by right-clicking the Systray icon.

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